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011762285 \*\*Image available\*\*

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**Skin wrinkle removal using lasers - using laser radiation which is absorbed by chromophore in dermis to heat collagen and shrink skin**  
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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9808568	A1	19980305	WO 97GB2322	A	19970829	199816	B
ZA 9707751	A	19980527	ZA 977751	A	19970828	199827	
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ES 2218695	T3	20041116	WO 97GB2322	A	19970829		
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Priority Applications (No Type Date): GB 9618051 A 19960829; US 97919472 A 19970828

Patent Details:

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AU 9739511	A		A61N-005/06	Based on patent WO 9808568
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DE 69728779	E		A61N-005/06	Based on patent EP 932431
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Abstract (Basic): WO 9808568 A

The basic skin structure of mammalian skin tissue comprises three layers, the outer epidermis (1) which is adjacent to the basal layer (2) and then the dermis (3). Laser radiation is applied to the tissue and is selectively absorbed by a chromophore in the dermis, heating the collagen and shrinking the skin and hence removing the appearance of wrinkles.

An optional step in the procedure is the partial removal of an area of the epidermis using laser radiation. The method leaves the basal layer intact to prevent contact of the dermal layer with the ambient air.

ADVANTAGE - Prevents secondary burns and similar problems during wrinkle removal.

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Title Terms: SKIN; WRINKLE; REMOVE; LASER; LASER; RADIATE; ABSORB; CHROMOPHORE; HEAT; COLLAGEN; SHRINK; SKIN

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